

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
14 October 2004 (14.10.2004)

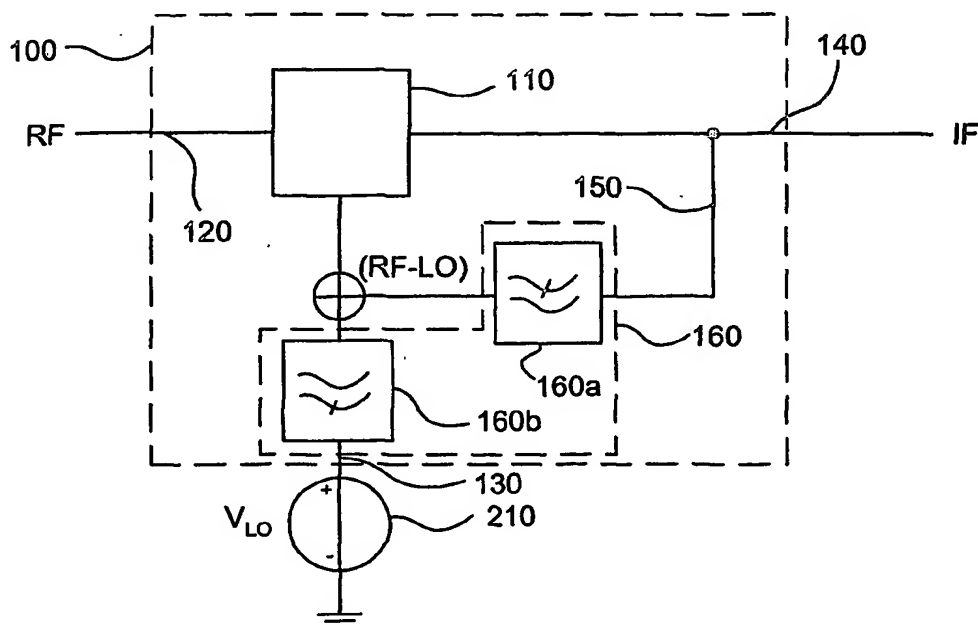
PCT

(10) International Publication Number  
**WO 2004/088835 A1**

- (51) International Patent Classification<sup>7</sup>: **H03D 7/14** (74) Agent: BYSTRÖM, Linus; Ström & Gulliksson IPC AB, P.O. Box 793, S-220 07 Lund (SE).
- (21) International Application Number: PCT/EP2004/002654 (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 15 March 2004 (15.03.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
03007555.0 1 April 2003 (01.04.2003) EP  
60/459,504 1 April 2003 (01.04.2003) US
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- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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(54) Title: PASSIVE MIXER



(57) Abstract: A passive mixer (100) for converting a radio frequency (RF) signal to an intermediary frequency (IF) signal or vice versa. The mixer comprises a voltage controlled mixing means (110) for mixing a local oscillator signal with either an RF or IF signal. A bootstrapping technique is used for feeding back a low frequency component of the IF signal through a low-pass filter (160) to the mixing means. The mixing means (110) will follow low frequency variations of the IF signal, which will improve the linearity of the mixer.



**Published:**

— with international search report

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